

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES

PERMIT

TO DISCHARGE STORMWATER UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

Fuji Silysia Chemical USA, LTD.

is hereby authorized to discharge stormwater from a facility located at:

Fuji Silysia Chemical USA, LTD
1215 Sugg Parkway
Greenville, NC
Pitt County

to receiving waters designated as Cannon Swamp, a class C:NSW waterbody, in the Tar-Pamlico River Basin, in accordance with the discharge limitations, monitoring requirements, and other conditions set forth in Parts A through K hereof.

This permit shall become effective January 1, 2021.

This permit and the authorization to discharge shall expire at midnight on December 31, 2026.

Signed this day [DRAFT].

for Brian Wrenn, Acting Director
Division of Energy, Mineral and Land Resources
By the Authority of the Environmental Management Commission

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PART A: INDIVIDUAL PERMIT COVERAGE

During the period beginning on the effective date of the permit and lasting until expiration, the [permittee](#) is authorized to discharge [stormwater associated with industrial activity](#). Such discharges shall be controlled, limited and monitored as specified in this permit.

If industrial materials and activities are not exposed to precipitation or runoff as described in 40 CFR §122.26(g), the facility may qualify for a [No Exposure](#) Certification from NPDES stormwater discharge permit requirements. Any owner or operator wishing to obtain a No Exposure Certification must:

- (a) Submit a No Exposure Certification application form to the Division of Energy, Mineral and Land Resources (Division),
- (b) Receive approval from the Division,
- (c) Maintain no exposure conditions unless authorized to discharge under a valid NPDES stormwater permit, and
- (d) Recertify the No Exposure Certification annually.

Until this permit expires or is modified or revoked, the permittee is authorized to discharge stormwater to the surface waters of North Carolina or separate storm sewer system that has been adequately treated and managed in accordance with the terms and conditions of this permit.

Any other [point source discharge](#) to surface waters of the state is prohibited unless it is an allowable [non-stormwater discharge](#) or is covered by another permit, authorization, or approval. The stormwater discharges allowed by this permit shall not cause or contribute to violations of Water Quality Standards.

This permit does not relieve the permittee from responsibility for compliance with any other applicable federal, state, or local law, rule, standard, ordinance, order, judgment, or decree.

PART B: STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

The permittee shall develop and implement a [Stormwater Pollution Prevention Plan \(SWPPP\)](#). The SWPPP shall be maintained on site unless exempted from this requirement by the [Division](#). The permittee shall implement the SWPPP and all [Best Management Practices \(BMPs\)](#) consistent with the provisions of this permit, to control contaminants entering surface waters. These items shall exist for the duration of the permit term and be made available to the Director upon request and also shall be sent to the Regional Office upon request. The SWPPP shall be considered public information in accordance with [G-12](#) of this Individual Permit.

The SWPPP shall include, at a minimum, the following items:

B-1. Responsible Party

The SWPPP shall identify (a) specific position(s) responsible for the overall coordination, development, implementation, and revision of the SWPPP. Responsibilities for all components of the SWPPP shall be documented and position assignments provided.

B-2. General Location Map

The General Location Map shall be a USGS quadrangle map or appropriately drafted equivalent map that includes:

- (a) The facility's location in relation to transportation routes and surface waters;
- (b) The name of the receiving waters to which the stormwater outfalls discharge, or if the discharge is to a [Municipal Separate Storm Sewer System](#) (MS4), the name of the municipality and the ultimate receiving waters; and
- (c) Any receiving waters that are on the state's list of impaired waters or if the site is located in a watershed for which a [Total Maximum Daily Load \(TMDL\)](#) has been established and, if so, a list of the parameter(s) of concern.

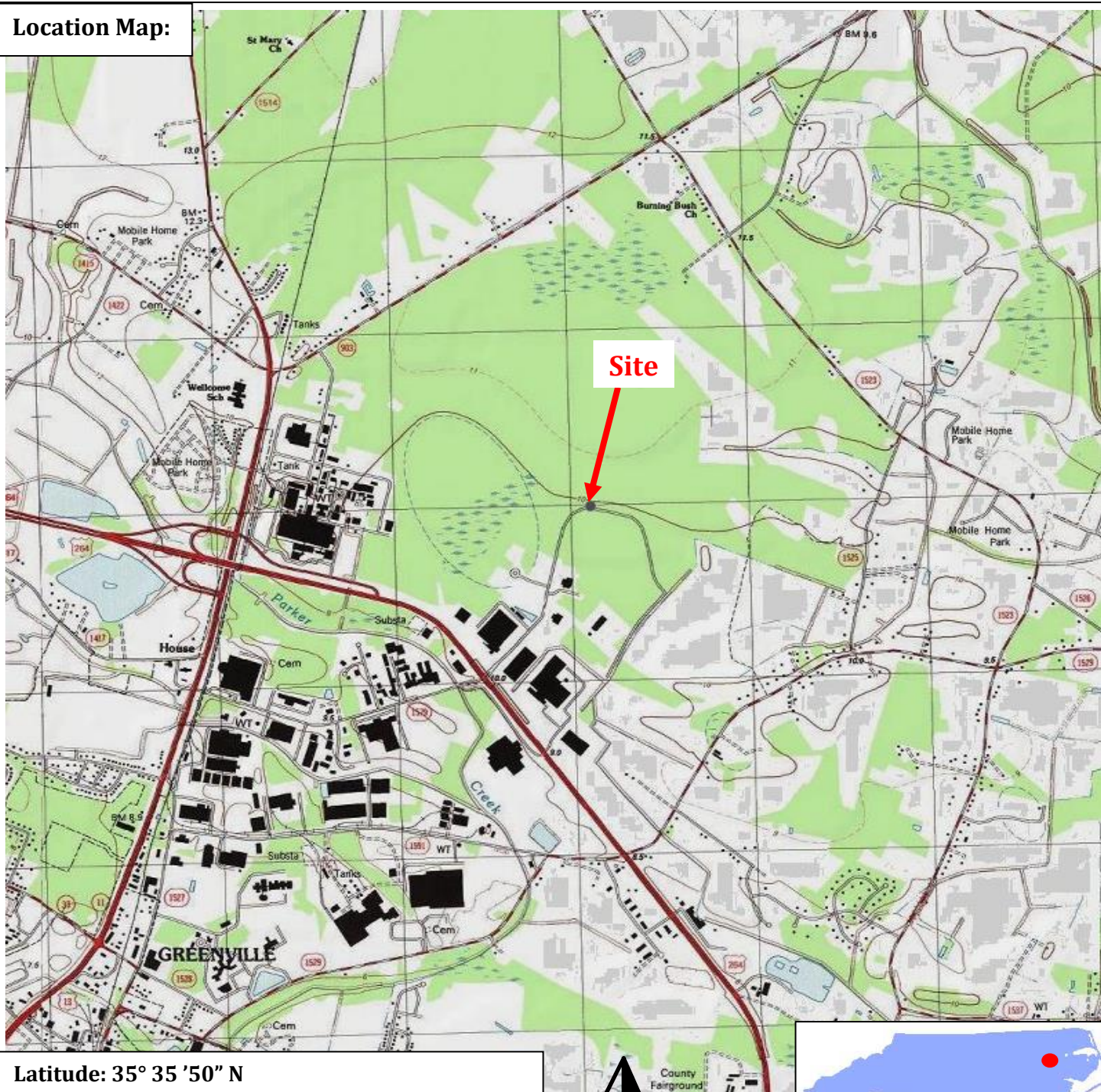
B-3. Site Map

The Site Map shall include the following at a scale sufficient to clearly depict all required features. At a minimum, the map shall include:

- 1. Site property/permit boundary;
- 2. Site topography and finished grade;
- 3. Buildings, roads, parking areas and other built-upon areas;
- 4. Industrial activity areas (including: fueling, [vehicle maintenance](#) and repair, washing of materials or equipment, storage of materials, disposal areas, process areas, loading and unloading areas, and haul roads);
- 5. [Stormwater discharge outfalls](#) and a table of latitudes and longitudes;

6. Drainage area for each outfall with an estimation of impervious area percentage;
7. [Stormwater Control Measures \(SCMs\):](#)
8. All stormwater collection/drainage features, structures and direction of flow;
9. On-site and adjacent surface waters and wetlands; and
10. A graphic scale and north arrow.

Location Map:



Latitude: 35° 35 '50" N
Longitude: 80° 57' 55" W
County: Pitt
Stream Class: C; NSW
Receiving Stream: Cannon Swamp
Sub-basin: 03-03-05 (Tar-Pamlico River Basin)



Facility Location

NCS000570
Fuji Silysia Chemical USA, LTD

B-4. Narrative Description of Industrial Processes

The narrative description shall include:

- (a) Storage practices;
- (b) Loading and unloading activities;
- (c) Outdoor process areas;
- (d) Dust or particulate generating and control processes;
- (e) Waste disposal practices; and
- (f) A list of the potential pollutants that could be expected to be present in the stormwater discharge from each outfall.

B-5. Evaluation of Stormwater Outfalls

On an annual basis, the permittee shall evaluate all stormwater outfalls for the presence of non-stormwater discharges. If non-stormwater discharges are present, the permittee shall identify the source and record whether the discharge is otherwise permitted by rule or a different permit. The permittee shall evaluate the environmental significance of the non-stormwater discharges and include a summary written record and certification statement. The certification statement and summary written record shall be retained with the SWPPP and shall be dated and signed in accordance with the requirements found in [G-1](#).

B-6. Narrative Description of Stormwater SCM/BMP

A **narrative description** of structural [Stormwater Control Measures \(SCMs\)](#) and non-structural [Best Management Practices \(BMPs\)](#) on site shall be provided. **Appropriate SCMs/BMPs may include, but are not limited to, vegetative swales, berms, and reuse of collected stormwater (such as for an industrial process or as an irrigation source) in a manner that reduces pollutants in stormwater discharges leaving the site.** The installation and implementation of SCMs/BMPs shall be based on the assessment of the potential for sources to contribute significant quantities of pollutants to stormwater discharges and on data collected through monitoring of stormwater discharges. The Narrative Description of SCMs/BMPs shall be reviewed and updated annually.

The narrative description of stormwater SCMs/BMPs shall include:

- (a) A written record of the specific rationale for installation and implementation of the selected site SCMs and/or BMPs; and
- (b) BMPs for [vehicle maintenance activities](#).

B-7. Facility Inspections

Inspections of the facility and all stormwater systems shall occur as part of the Preventative Maintenance and Good Housekeeping Program at a minimum on a semi-annual schedule, once during the first half of the year (January to June), and once during the second half (July to December), with at least 60 days separating inspection dates

(unless performed more frequently than semi-annually). These facility inspections are different from, and in addition to, the stormwater discharge characteristic monitoring at the outfalls required in Parts C and D of this permit.

B-8. Feasibility Study

The feasibility study shall include a review of the technical and economic feasibility of changing the methods of operations and/or storage practices to eliminate or reduce exposure of materials and processes to rainfall and run-on flows. Wherever practical, the permittee shall prevent exposure of all storage areas, material handling operations, and manufacturing or fueling operations. In areas where elimination of exposure is not practical, this review shall document the feasibility of diverting the stormwater run-on away from areas of potential contamination.

B-9. Secondary Containment Plan

In order to prevent leaks and spills from contaminating [stormwater runoff](#), secondary containment is required for: [bulk storage of liquid materials](#) including petroleum products; storage in any amount of water priority chemicals listed in [Section 313](#) of Title III of the Superfund Amendments and Reauthorization Act (SARA); and storage of [hazardous substances](#) in any amount.

For facilities subject to the federal Spill Prevention, Control, and Countermeasure (SPCC) regulation, the SPCC Plan may be used to support compliance with this requirement.

The Secondary Containment Plan shall include:

- (a) A table or summary of tanks and stored materials equipped with secondary containment systems;
- (b) Manually activated valves or other similar devices that are securely closed with a locking mechanism if the secondary containment devices are connected to stormwater conveyance system;
- (c) A commitment to visually observe any accumulated stormwater prior to release for color, foam, outfall staining, visible sheens, and dry weather flow; and
- (d) Records on every release from a secondary containment system that include: the individual making the observation, a description of the accumulated stormwater, and the date and time of the release. These records shall be kept for a period of five (5) years.

B-10. Spill Prevention and Response Procedures

A responsible person shall be on-site at all times during facility operations that have potential to contaminate [stormwater runoff](#) through spills or exposure of materials associated with the facility operations. For facilities subject to the federal Spill Control and Countermeasure (SPCC) regulation, the SPCC Plan may be used to support compliance with this permit. The Spill Prevention and Response Procedures (SPRP) shall incorporate an assessment of potential pollutant sources based on a materials inventory of the facility. The

SPRP must be site specific. An oil SPCC Plan may be a component of the SPRP. The common elements of the SPCC used to meet the SPRP shall be incorporated by reference into the SPRP.

The Spill Prevention and Response Procedures (SPRP) shall include at minimum:

- (a) An assessment of areas of the facility where there is the potential for spills;
- (b) A list of trained facility personnel responsible for implementing the SPRP;
- (c) A signed and dated acknowledgement in which staff members accept responsibilities for the SPRP;
- (d) A supply of spill response materials and equipment and the locations for storing these items;
- (e) Written procedures for proper cleanup and disposal of spilled materials; and
- (f) A list of [significant spills](#) or leaks of pollutants that have occurred during the previous three (3) years and any corrective actions taken to mitigate spill impacts or the notation that no spills have occurred. This list shall be updated on annual basis.

B-11. Preventative Maintenance and Good Housekeeping Program

A preventative maintenance and good housekeeping program (PMGHP) shall be developed and implemented. The program shall address all stormwater control measures (SCMs) (if applicable), [stormwater discharge outfalls](#), all on-site and adjacent surface waters and wetlands, industrial activity areas (including material storage areas, material handling areas, disposal areas, process areas, loading and unloading areas, and haul roads), all drainage features and structures, and existing structural SCMs and non-structural BMPs.

The PMGHP shall include:

- (a) A schedule of inspections, maintenance and housekeeping measures for industrial activity areas including, at a minimum, all material storage and handling areas, disposal areas, process areas, loading and unloading areas, haul roads, and vehicle maintenance areas. Inspections shall occur at a minimum on a semi-annual schedule, once during the first half of the year (January to June) and once during the second half (July to December);
- (b) A plan for disposing spent lubricants and fuels properly and in accordance with applicable federal disposal regulations (if applicable); and
- (c) A record of inspections, maintenance, and housekeeping activities.

B-12. Employee Training

Training programs shall be provided at a minimum on an annual basis for facility personnel with responsibilities for: spill response and cleanup, preventative maintenance activities, and for any of the facility's operations that have the potential to contaminate [stormwater runoff](#). The facility personnel responsible for implementing the training shall be identified, and their annual training shall be documented by the signature of each employee trained.

The annual employee training shall include, at a minimum, the following topics:

- (a) General stormwater awareness;
- (b) Spill response and cleanup procedures;
- (c) Preventative maintenance and good housekeeping activities;
- (d) Secondary containment releases, and
- (e) Fueling procedures (if applicable).

B-13. Representative Outfall Status

If the Division has granted [representative outfall status \(ROS\)](#), written documentation from the Division shall be part of the SWPPP. The permittee shall notify the Division of any site or activity modifications that result in a change to ROS.

B-14. Annual SWPPP Review and Update

All aspects of the SWPPP shall be reviewed and updated on an annual basis. The permittee shall amend the SWPPP whenever there is a change in design, construction, operation, site drainage, maintenance, or configuration of the physical features which may have a significant effect on the potential for the discharge of pollutants to surface waters.

In addition to the other items in Part B of the permit, the SWPPP update shall include:

- (a) An updated list of [significant spills](#) or leaks of pollutants for the previous three (3) years, or the notation that no spills have occurred;
- (b) A written certification that the stormwater outfalls have been evaluated for the presence of non-stormwater discharges;
- (c) A documented re-evaluation of the effectiveness of the on-site SCMs and BMPs in minimizing the contamination of stormwater runoff, including a summarization of all SCM inspections conducted throughout the year preceding the annual update;
- (d) A statement that annual training requirements were met in the past year; and
- (e) A review and comparison of sample analytical data to benchmark values (if applicable) over the past year, including an evaluation of Tiered Response status. The permittee shall use the [Division's](#) Generic Annual Discharge Monitoring Report (DMR) Form, available from the Stormwater Permitting Program's website (See: <https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-stormwater-individual>).

B-15. Annual On-Line SWPPP Certification when Available

After the Division's ePermitting system develops the capability to receive this information, an on-line certification that the SWPPP annual update has been completed in a manner that meets the conditions of this permit.

B-16. Notice to Modify SWPPP

The Director may notify the permittee when the SWPPP does not meet one or more of the minimum requirements of the permit. Within 30 days of such notice, the permittee shall submit a time schedule to the Director for modifying the SWPPP to meet minimum requirements. The permittee shall provide certification in writing (in accordance with [G-1](#) of this permit) to the Director that the changes have been made.

B-17. SWPPP Documentation

Documentation of all monitoring, measurements, inspections, maintenance activities, and training provided to employees, including the log of the sampling data and of actions taken to implement SCMs and BMPs associated with the industrial activities, including [vehicle maintenance activities](#). Such documentation shall be kept on-site for a period of five (5) years and made available to the [Division](#) immediately upon request.

PART C: QUALITATIVE MONITORING OF STORMWATER DISCHARGES

The purpose of qualitative monitoring is to implement a quick and inexpensive way to evaluate the effectiveness of the permittee's SWPPP, to identify the potential for new sources of stormwater pollution, and to prompt the permittee's response to pollution.

C-1. Visual Inspections

- (a) Visual inspections shall be made at each [stormwater discharge outfall \(SDO\)](#) that discharges [stormwater associated with industrial activity](#) unless [representative outfall status](#) specifically for visual monitoring has been approved in writing by the Division.
- (b) Visual inspections shall be performed concurrent with required analytical monitoring.
- (c) Visual inspections are not required to be performed outside of the facility's normal operating hours.
- (d) Visual inspections shall be recorded on the Division's Stormwater Discharge Outfall Qualitative Monitoring Report (QMR) form and shall include observations of:
 - Color;
 - Odor;
 - Clarity;
 - Floating Solids;
 - Suspended Solids;
 - Foam;
 - Oil Sheen;
 - Deposition at or immediately below the outfall;
 - Erosion at or immediately below the outfall; and
 - Other obvious indicators of stormwater pollution.
- (e) Inability to perform inspections because of [adverse weather](#) or lack of discharge during the monitoring period shall not constitute a failure to monitor if the event is documented in the SWPPP and recorded on the Qualitative Monitoring Report.

C-2. Qualitative Monitoring Response

- (a) If the permittee's qualitative monitoring indicates that the SWPPP and/or existing stormwater BMPs are ineffective, or that significant stormwater contamination is present, then the permittee shall investigate potential causes, evaluate the feasibility of corrective actions, and implement those feasible corrective actions within sixty (60) days.
- (b) **A written record of the permittee's investigation, evaluation, and response actions shall be kept in the SWPPP.**

PART D: ANALYTICAL MONITORING REQUIREMENTS

This part applies to [industrial stormwater discharges](#) of stormwater-only flows from drainage areas where industrial activities are performed.

D-1. Required Baseline Sampling

The permittee shall perform baseline sampling of all stormwater discharge outfalls and/or authorized representative discharge outfalls in accordance with this part.

- (a) [Grab samples](#) shall be collected, analyzed, and reported for all the parameters listed in the tables below except for Total Rainfall which will be monitored using a rain gauge.
- (b) In addition to the grab samples, the average monthly usage of new motor and hydraulic oil for the facility shall be tracked and recorded.
- (c) The total rainfall amount for each sampling event shall be recorded in inches. Total rainfall shall be determined from an on-site rain gauge or a regional rain gauge located within one (1) mile of the facility.
- (d) Samples shall be collected from two separate monitoring periods per year. A minimum of sixty (60) days must separate the two sampling events:
 - January 1 – June 30, and
 - July 1 – December 31.

D-2. Baseline Sampling Benchmarks

- (a) Analytic results for each parameter shall be compared to the benchmark values for the appropriate receiving stream classification as provided in Table 2. An exceedance of a benchmark value is not a permit violation; however, failure to respond in accordance with D-2.(b) below is a permit violation.
- (b) An exceedance of any benchmark value in Table 2 shall require a tiered response for that parameter. A single exceedance of a benchmark value shall require a Tier One response for that parameter. Two benchmark value exceedances in a row shall require a Tier Two response for that parameter. Four benchmark exceedances for a parameter within a five (5) year period shall require a Tier Three response for that parameter.
- (c) Baseline sampling benchmarks for shall be in accordance with Table 1 below.

Table 1. Summary of Semi-Annual Baseline Sampling Requirements for Stormwater Discharges

Parameter Code for Reporting	Parameter	Frequency	Benchmark
C0530	Total Suspended Solids (TSS)	semi-annual	100 mg/l
00340	Chemical Oxygen Demand (COD)	semi-annual	120 mg/L
00929	Sodium	semi-annual	865 mg/L
00945	Sulfate	semi-annual	250 mg/L
C0665	Phosphorus	semi-annual	2 mg/L
C0600	Nitrogen	semi-annual	30 mg/L
00400	pH	semi-annual	6-9
46529	Total Rainfall	semi-annual	-
00552	Non Polar Oil & Grease for drainage areas that use > 55 gallons/month of oil on average per EPA Method 1664 (SGT-HEM)	semi-annual	15 mg/L
NCOIL	Estimated average Monthly Oil Usage at the Facility (gallons)	semi-annual	-

D-3. Methodology for Collecting Samples

- (a) Grab samples shall be collected within the first 30 minutes of discharge. If physical separation between outfalls prevents collecting all samples within the first 30 minutes, the permittee shall begin sampling within the first 30 minutes and shall continue until completed.
- (b) Samples collected shall be characteristic of the volume and nature of the permitted discharge.
- (c) Samples shall be collected during a [measurable storm event](#). The previous measurable storm event must have been at least 72 hours prior.
- (d) Lack of a discharge from an outfall for the monitoring period, or inability to collect a sample because of [adverse weather](#) conditions during a monitoring period, shall not constitute failure to monitor as long as those conditions are reported on the monitoring period DMR and noted in the SWPPP as “No Flow” or “No Discharge”.
- (e) Sampling is not required to be performed outside of the facility’s normal operating hours.
- (f) If the sampled storm event coincides with a known non-stormwater discharge that is deemed permitted under 15A NCAC 02H .0106, then this shall be noted on the

stormwater discharge monitoring report.

D-4. Locations for Collecting Samples

Samples shall be collected at all stormwater discharge outfalls (SDOs) that discharge stormwater associated with industrial activity. If the Division has issued a representative outfall status approval letter, then the permittee shall collect samples from all SDOs in accordance with the SDO approval letter.

- (a) All samples shall be taken before the discharge joins or is diluted by any other waste stream, body of water, or substance.
- (b) Monitoring points as specified in this permit shall not be changed without written notification to and approval by the Division [40 CFR 122.41(j)].
- (c) Analytical monitoring is not required for the outlet of any basin or pond designed to contain the [25-year, 24-hour storm](#) without discharging, and that can regain capacity to hold such an event within five (5) days' time through means other than discharge to surface waters.

D-5. Tier One Response: Single Benchmark Exceedance

- (a) If any sampling result is above the benchmark value for any parameter at any outfall, then the permittee shall respond in accordance with Table 5 to identify and address the source of that exceedance for the parameter(s).
- (b) Each required response shall be documented in the SWPPP as each action occurs including; the date and value of the benchmark exceedance, the date the Division's Regional Office was notified of the exceedance, the inspection date, the personnel conducting the inspection, the selected feasible actions, and the date the selected feasible actions were completed.
- (c) Each exceedance of a benchmark parameter shall individually require a Tier I response.
- (d) The Tier One response shall be in accordance with Table 2 below.

Table 2: Tier One Response for a Benchmark Exceedance

Timeline From Receipt of Sampling Results	Tier One Required Response/Action
Continuously	i. Document the exceedance and each required response/action in the SWPPP in accordance with D-6.(b) above.
Within two weeks	ii. Notify the Division's Regional Office of the exceedance date and value via email or, when it is developed, an electronic form created by the Division for reporting exceedances. iii. Conduct a stormwater management inspection. iv. Identify and evaluate possible causes of the benchmark exceedance.
Within one month	v. Select specific, feasible courses of action to reduce concentrations of the parameter(s) of concern including, but not limited to, source controls, operational controls, or physical improvements.
Within two months	vi. Implement the selected feasible actions.

D-6. Tier Two Response: Two Consecutive Benchmark Exceedances

- (a) If any two consecutive sampling results in a row are above the benchmark value for any parameter at an outfall, then the permittee shall respond in accordance with Table 3 to identify and address the source of exceedances for that parameter at that outfall.
- (b) After implementing the specific feasible courses of action, perform monthly monitoring for the exceeded parameter until three samples in a row are below the benchmark value.
- (c) Each required response shall be documented in the SWPPP as each action occurs including; the dates and values of the benchmark exceedances, the date the Division's Regional Office was notified of the consecutive exceedances, the inspection date, the personnel conducting the inspection, the selected feasible actions, the date the selected feasible actions were completed, and the monthly monitoring results.
- (d) Each pair of two consecutive exceedances of a single benchmark parameter at a single outfall shall constitute an event that requires a Tier Two response. Subsequent events shall not include the same exceedances that have been addressed in a Tier Two response.
- (e) The Tier Two response shall be in accordance with Table 3 below.
- (f) *Alternatively*, in lieu of the steps listed above, the permittee may, after two consecutive exceedances exercise the option of contacting the DEMLR Regional Engineer as provided below in Tier Three. The Regional Engineer may require additional response actions on the part of the permittee as provided in Tier Three, including reduced or additional sampling parameters or frequency.

Table 3: Tier Two Response for Two Consecutive Benchmark Exceedances

Timeline From Receipt of Sampling Results	Tier Two Required Response/Action
Continuously	i. Document the exceedance and each required response/action in the SWPPP in accordance with D-6.(b) above.
Within two weeks	ii. Notify the Division's Regional Office in writing of the exceedance date and value. iii. Conduct a stormwater management inspection. iv. Identify and evaluate possible causes of the benchmark exceedance.
Within one month	v. Select specific, feasible courses of action to reduce concentrations of the parameter(s) of concern including, but not limited to, source controls, operational controls, or physical improvements.

D-7. Tier Three Response: Four Benchmark Exceedances Within 5 Years

- (a) If any four sampling results within a five-year period for any single parameter are above the benchmark value at a sampled outfall, then the permittee shall respond in accordance with Table 7 to identify and address the source of exceedances for that parameter at that outfall.
- (b) Each required response shall be documented in the SWPPP as each action occurs including; the dates and values of the benchmark exceedances, the date the Division's Regional Office was notified of the consecutive exceedances, the inspection date, the personnel conducting the inspection, the selected feasible actions, the date the selected feasible actions were completed, and the monthly monitoring results.
- (c) The permittee shall prepare a written Action Plan and submit to the Division's Regional Office for review and approval within thirty (30) days of receipt of the fourth analytic monitoring data point that exceeds the benchmark value. At a minimum, the Action Plan shall include:
- documentation of the four benchmark exceedances;
 - an inspection report that covers the industrial activities within the drainage area of the outfall with the exceedances (including the date of the inspection and the personnel conducting the inspection);
 - an evaluation of standard operating procedures and good housekeeping procedures;
 - identification of the source(s) of exceedances;
 - specific actions that will be taken to remedy the identified source(s) with a schedule for completing those actions; and
 - a monitoring plan to verify that the Action Plan has addressed the source(s).
- (d) The permittee shall keep the Action Plan in the SWPPP and document when each specific action was carried out and by whom.
- (e) The permittee shall contact the Division's Regional Office when all actions in the Action Plan are completed.

- (f) The Division **may but is not limited to:**
- require that the permittee revise, increase, or decrease the monitoring and reporting frequency for some or all of the parameters herein;
 - require sampling additional or substitute parameters;
 - require the permittee to install structural stormwater control measures;
 - require the permittee implement other stormwater control measures
 - require the permittee Perform upstream and downstream monitoring to characterize impacts on receiving waters; or
 - require the permittee implement site modifications to qualify for a No Exposure Exclusion; require the permittee to continue Tier Three obligations through the permit renewal process.
- (g) The Tier Three response shall be in accordance with Table 4 below.

Table 4: Tier Three Response for Four Benchmark Exceedances Within Five Years

Timeline From Receipt of Fourth Sampling Result	Tier Three Required Response/Action
Continuously	i. Document the exceedances and each required response/action in the SWPPP in accordance with D-7.(b) above.
Within two weeks	ii. Notify the Division's Regional Office in writing of the affected outfall, four exceedance dates and values. iii. Conduct a stormwater management inspection. iv. Identify and evaluate possible causes of the benchmark exceedance.
Within one month	v. Prepare an Action Plan and submit to the Division's Regional Office for review and approval.
Upon DEQ Approval	vi. Implement the approved Action Plan.
Upon Completion of Approved Action Plan	vii. Notify the Division's Regional Office of Action Plan completion.

PART E: SUBMITTAL OF DISCHARGE MONITORING REPORTS (DMRs)

E-1. Deadlines for Submittal of Discharge Monitoring Reports

- (a) Discharge Monitoring Reports (DMRs) for Periods 1 and 2 shall be submitted no later than 30 days from the date that the facility receives the sampling results.
- (b) For permits issued between June 1-30 or Dec 1-31, sampling shall not commence until the next sampling period following initial issuance of the permits.

E-2. Discharge Monitoring Report (DMR) Forms

Samples analyzed in accordance with the terms of this permit shall be recorded on Discharge Monitoring Report (DMR) forms provided by the Director.

DMR forms are available on the Division's website

<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-industrial-stormwater>.)

E-3. Signature Requirements on Discharge Monitoring Report (DMR) Forms

DMRs shall be signed and certified by a person meeting the Signatory requirements in [G-1](#).

E-4. Results Below Detection Limits

When results are below detection limit, they shall be reported in the format, "<XX mg/L," where XX is the numerical value of the detection limit.

E-5. Occurrences of No Discharge

If no discharge occurs during the sampling period, the permittee must record within 30 days of the end of the sampling period in the facility's monitoring records. "No Flow" or "No Discharge" shall be reported on the Discharge Monitoring Report (DMR) as per NCAC T15A 02B .0506.

E-6. Reports if More Frequent Monitoring Has Occurred

If the permittee monitors any pollutant more frequently than required by this permit using test procedures approved under 40 CFR Part 136 and at a sampling location specified in this permit, the results of such monitoring shall be included in the data submitted on the DMR. However, for purposes of benchmark comparison and Tiered response actions, the permittee shall use the analytical results from the first sample with valid results within the monitoring period and submit it no later than 30 days from that date the facility receives the sampling results.

E-7. Report if Begin Discharging to a New Stormwater Discharge Outfall

The permittee shall submit a modification request to the Division prior to discharging to a new SDO.

E-8. Submittal Process Before Electronic Discharge Monitoring Reporting (eDMR)

Original, signed DMR form shall be scanned and uploaded to the electronic DMR submittal form, which can be found by typing "deq.nc.gov/SW-Industrial" into a browser window and hitting "enter." Then, the original signed DMR Forms shall be mailed or otherwise delivered to the appropriate Regional Office, which is indicated at: <https://deq.nc.gov/contact/regional-offices/>.

E-9. Submittal Process After Electronic Discharge Monitoring Reporting (eDMR)

After the Division has created an electronic reporting system to accept NPDES stormwater permit monitoring data, the permittee shall report discharge monitoring data electronically using the Division's Electronic Discharge Monitoring Report (eDMR) internet application. The Division will notify permittees when eDMR is ready to accept stormwater monitoring data.

E-10. Qualitative Monitoring Reports

The permittee shall record the required qualitative monitoring observations on the SDO Qualitative Monitoring Report form provided by the Division and shall retain the completed forms on site. Qualitative monitoring results shall not be submitted to the Division, except upon the Division's specific requirement to do so. Qualitative Monitoring Report forms are available the Division's website (<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-stormwater-gps>).

E-11. Monitoring Report Retention

Copies of the following reports shall be maintained on-site or be available electronically to the Division upon request. These records or copies shall be maintained for a period of at least 5 years from the date of the sample, measurement, report, permit renewal, or permit application. This period may be extended by request of the Director at any time [40 CFR 122.41].

- (a) Calibration and maintenance records,
- (b) Original strip chart recordings for continuous monitoring instrumentation,
- (c) Discharge Monitoring Reports (DMRs) and eDMR or other electronic DMR report submissions,
- (d) Visual monitoring records, and
- (e) Copies of all data used to complete the permit application.

E-12. Waivers from Electronic Reporting

- (a) If a permittee is unable to use the eDMR system due to a demonstrated hardship or due to the facility being physically located in an area where less than 10 percent of the households have broadband access, then a temporary waiver from the NPDES

electronic reporting requirements may be granted and discharge monitoring data may be submitted on paper DMR forms or alternative forms approved by the Director. Duplicate signed copies shall be submitted to the mailing address above. See "How to Request a Waiver from Electronic Reporting" section below.

- (b) The permittee may seek a temporary electronic reporting waiver from the Division. To obtain an electronic reporting waiver, a permittee must first submit an electronic reporting waiver request to the Division. Requests for temporary electronic reporting waivers must be submitted in writing to the Division for written approval at least sixty (60) days prior to the date the facility would be required under this permit to begin submitting monitoring data and reports. The duration of a temporary waiver shall not exceed 5 years and shall thereupon expire. At such time, monitoring data and reports shall be submitted electronically to the Division unless the permittee re-applies for and is granted a new temporary electronic reporting waiver by the Division. Approved electronic reporting waivers are not transferrable. Only permittees with an approved reporting waiver request may submit monitoring data and reports on paper to the Division for the period that the approved reporting waiver request is effective.
- (c) Information on eDMR and the application for a temporary electronic reporting waiver are found on the following web page: deq.nc.gov/SW-industrial.

PART F: OTHER OCCURENCES THAT MUST BE REPORTED

After becoming aware of an occurrence that must be reported, the permittee shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed in Table 5 below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

The permittee shall report all instances of noncompliance not reported under 24-hour reporting at the time monitoring reports are submitted [40 CFR 122.41(l)(7)].

Table 5: Other Occurrences that Shall Be Reported

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
Visible sediment deposition in a stream or wetland	(a) Within 24 hours , an oral or electronic notification. (b) Within 7 calendar days , a report that contains a description of the sedimentation event and permittee actions taken to address it.
Oil spills if they are: <ul style="list-style-type: none"> • 25 gallons or more, • less than 25 gallons but cannot be cleaned up within 24 hours, • cause sheen on surface waters (regardless of volume), or • are within 100 feet of surface waters (regardless of volume). 	(c) Within 24 hours , an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act Ref: 40 CFR 110.3 and 40 CFR 117.3) or section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85	(d) Within 24 hours , an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
Noncompliance with the conditions of this permit that may endanger health or the environment. [40 CFR 122.41(l)(7)]	(e) Within 24 hours , an oral or electronic notification. (f) Within 7 calendar days , a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). (g) Division staff may waive the requirement for a written report on a case-by-case basis.

PART G: PERMIT ADMINISTRATION

G-1. Signatory Requirements

All applications, reports, or information submitted to the Permitting Issuing Authority shall be signed and certified [40 CFR 122.41(k)].

- (a) All permit applications shall be signed as follows:
 - For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (a) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (b) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official [40 CFR 122.22].
- (b) All reports required by the permit and other information requested by the [Permit Issuing Authority](#) shall be signed by a person described in paragraph a. above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - The authorization is made in writing by a person described above;
 - The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or well field, superintendent, a position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
 - The written authorization is submitted to the Permit Issuing Authority [40 CFR 122.22].
- (c) Changes to authorization: If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements

of paragraph (b) of this section must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative [40 CFR 122.22]

- (d) Certification. Any person signing a document under paragraphs a. or b. of this section, or submitting an electronic report (e.g., eDMR), shall make the following certification [40 CFR 122.22]. NO OTHER STATEMENTS OF CERTIFICATION WILL BE ACCEPTED.

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

G-2. Permit Expiration

The [permittee](#) is not authorized to discharge after the expiration date. In order to receive automatic authorization to discharge beyond the expiration date, the permittee shall submit forms and fees as are required by the agency authorized to issue permits no later than 180 days prior to the expiration date, unless permission for a later date has been granted by the Director. (The Director shall not grant permission for applications to be submitted later than the expiration date of the existing permit) [40 CFR 122.21(d)]. Any permittee that has not requested renewal at least 180 days prior to expiration, or any permittee that does not have a permit after the expiration and has not requested renewal at least 180 days prior to expiration, will be subjected to enforcement procedures as provided in NCGS §143-215.36 and 33 USC 1251 et. seq.

G-3. Planned Changes

The permittee shall give notice to the Director as soon as possible of any planned changes at the permitted facility which could significantly alter the nature or quantity of pollutants discharged [40 CFR 122.41(l)]. This notification requirement includes pollutants which are not specifically listed in the permit or subject to notification requirements under 40 CFR Part 122.42 (a).

G-4. Transfers

This permit is not transferable to any person without prior written notice to and approval from the Director in accordance with 40 CFR 122.61. The Director may condition approval in accordance with NCGS 143-215.1, in particular NCGS 143-215.1(b)(4)b.2. and may require modification or revocation and reissuance of the permit, or a minor modification, to identify the new permittee and incorporate such other requirements as may be necessary under the CWA [40 CFR 122.41(l)(3), 122.61] or state statute. **The Permittee is required to notify the Division in writing**

in the event the permitted facility is sold or closed.

G-5. Permit Modification, Revocation and Reissuance, or Termination

The issuance of this permit does not prohibit the Permit Issuing Authority from reopening and modifying the permit, revoking and reissuing the permit, or terminating the permit as allowed by the laws, rules, and regulations contained in Title 40, Code of Federal Regulations, Parts 122 and 123; Title 15A of the North Carolina Administrative Code, Subchapter 2H .0100; and North Carolina General Statute 143-215.1 et al. After public notice and opportunity for a hearing, the permit may be terminated for cause. The filing of a request for a permit modification, revocation and reissuance, or termination does not stay any permit condition.

G-6. Anticipated Noncompliance

The permittee shall give advanced notice to the [Director](#) of any planned changes at the permitted facility which may result in noncompliance with the permit [40 CFR 122.41(l)(2)].

G-7. Requirement to Report Incorrect Information

Where the Permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information [40 CFR 122.41(l)(8)].

G-8. Annual Administering and Compliance Monitoring Fee Requirements

The permittee must pay the administering and compliance monitoring fee within 30 (thirty) days after being billed by the Division. Failure to pay the fee in timely manner in accordance with 15A NCAC 2H .0105(b)(2) may cause this Division to initiate action to revoke coverage under this permit.

G-9. Flow Measurements

Where required, appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges.

G-10. Test Procedures

Test procedures for the analysis of pollutants shall conform to the [EMC](#) regulations published pursuant to NCGS 143-215.63 et. seq, the Water and Air Quality Reporting Acts, and to regulations published pursuant to Section 304(g), 33 USC 1314, of the Federal Water Pollution Control Act, as Amended, and Regulation 40 CFR 136.

To meet the intent of the monitoring required by this permit, all test procedures must produce minimum detection and reporting levels and all data generated must be reported down to the minimum detection or lower reporting level of the procedure. If no approved methods are determined capable of achieving minimum detection and reporting levels below the permit discharge requirements, then the most sensitive

(method with the lowest possible detection and reporting level) approved method must be used.

G-11. Representative Outfall

If a facility has multiple discharge locations with substantially identical stormwater discharges that are required to be sampled, the permittee may petition the Director for representative outfall status. If it is established that the stormwater discharges are substantially identical, and the permittee is granted representative outfall status, then analytical sampling requirements may be performed at a reduced number of outfalls.

G-12. Availability of Reports

Except for data determined to be confidential under NCGS 143-215.3(a)(2) or Section 308 of the Federal Act, 33 USC 1318, all reports prepared in accordance with the terms shall be available for public inspection at the offices of the Division. As required by the Act, analytical data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NCGS 143-215.6B or in Section 309 of the Federal Clean Water Act.

G-13. Permit Actions

The permit may be modified, revoked and reissued, or terminated for cause. The notification of planned changes or anticipated noncompliance does not stay any permit condition [40 CFR 122.41(f)].

G-14. Recording Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information [40 CFR 122.41]:

- (a) The date, exact place, and time of sampling or measurements;
- (b) The individual(s) who performed the sampling or measurements;
- (c) The date(s) analyses were performed;
- (d) The individual(s) who performed the analyses;
- (e) The analytical techniques or methods used; and
- (f) The results of such analyses.

PART H: OPERATION AND MAINTENANCE of POLLUTION CONTROLS

H-1. Proper Operation and Maintenance

The permittee shall at all times:

- (a) Properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit.
- (b) Implement laboratory controls and quality assurance procedures for onsite labs and field parameter testing.
- (c) Operate back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit [40 CFR 122.41(e)].

H-2. Corrective Actions

The permittee shall take corrective actions if self-inspections required by this permit identify a need for corrective actions, a facility fails to perform satisfactorily, or a facility creates of nuisance conditions.

Corrective actions shall include, but not be limited to: maintenance, modifications, or additions to existing control measures, the construction of additional or replacement treatment or disposal facilities, or implementation of new BMPs. Corrective actions shall be completed as soon as possible considering adverse weather and site conditions.

H-3. Draw Down of Treatment Facilities for Essential Maintenance

The permittee may draw down stormwater and wastewater treatment facilities if the drawdown is for essential maintenance to assure efficient operation and one of the following conditions is met:

- (a) Either treatment facilities shall be drawn down from the surface, or
- (b) Analytical sampling data of the water stored in the treatment facility demonstrates that the discharge will not exceed benchmarks or violate effluent limitations in this permit. The sampling data shall be collected no more than 14 calendar days prior to the draw down.

H-4. Bypasses of Stormwater Control Facilities

[Bypass](#) is prohibited, and the Division may take enforcement action against a permittee for bypass unless the permittee provides engineering evidence that all three of the following conditions are met:

- (a) The bypass was unavoidable to prevent loss of life, personal injury or [severe property damage](#);
- (b) There were no feasible alternatives to the bypass, such as the use of auxiliary control facilities, retention of stormwater, or maintenance during normal periods of

equipment downtime or dry weather. This condition is not satisfied if adequate backup controls should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

- (c) The permittee submitted notices and identified the reason(s) for the bypass as required under [1-9](#) below.

If the Director determines that it will meet the three conditions listed above, the Director may approve an anticipated bypass after considering its adverse effects.

H-5. [Upsets](#)

Diversions of stormwater and wastewater from treatment facilities may be considered as an upset if the permittee can demonstrate to the Director that all of the following conditions have been met. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

- (a) The permittee demonstrates that the upset was not caused by operational error, improperly designed treatment or control facilities, lack of preventive maintenance, or careless or improper operation.
- (b) The permittee agrees to take remedial measures if necessary.
- (c) The permittee submitted notice of the upset and identified the cause(s) of the upset as required under Item (9) below.

H-6. Required Notice for Bypass or Upset

After a permittee becomes aware of an occurrence that must be reported, the permittee shall contact the appropriate Division regional office within the timeframes and in accordance with the requirements listed in Table 6 below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Hotline at (800) 858-0368.

Table 6: Bypass and Upset Reporting Requirements

Event [40 CFR 122.41(m)(3)]	Reporting Requirements
Anticipated Bypass	<i>Written report at least ten days prior to the anticipated bypass.</i> The written report shall include an evaluation of the anticipated quantity, quality and effect of the bypass.
Unanticipated Bypass or Upset	<i>Oral or electronic notification within 24 hours of the event, and</i> <i>Written report within 7 calendar days of the event.</i> The written report shall include an evaluation of the quantity, quality and effect of the bypass.

Part I: COMPLIANCE AND LIABILITY

I-1. Compliance Schedule

The permittee shall comply with Limitations and Controls specified for stormwater discharges in accordance with the following schedule:

- (a) **Existing Facilities already operating but applying for permit coverage for the first time:** The [Stormwater Pollution Prevention Plan](#) shall be developed and implemented within 12 months of the effective date of the initial permit and updated thereafter on an annual basis. [Secondary containment](#), as specified in [B-9](#) of this permit, shall be accomplished within 12 months of the effective date of the initial permit issuance.
- (b) **New Facilities applying for coverage for the first time:** The Stormwater Pollution Prevention Plan shall be developed and implemented prior to the beginning of discharges from the operation of the industrial activity and be updated thereafter on an annual basis. Secondary containment, as specified in [B-9](#) of this permit shall be accomplished prior to the beginning of stormwater discharges from the operation of the industrial activity.
- (c) **Existing facilities previously permitted and applying for renewal:** All requirements, conditions, limitations, and controls contained in this permit (except new SWPPP elements in this permit renewal) shall become effective immediately upon issuance of this permit. New elements of the Stormwater Pollution Prevention Plan for this permit renewal shall be developed and implemented within 6 months of the effective date of this permit and updated thereafter on an annual basis. Secondary containment, as specified in [B-9](#) of this permit shall be accomplished prior to the beginning of stormwater discharges from the operation of the industrial activity.

I-2. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the [Clean Water Act](#) (CWA) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit upon renewal application [40 CFR 122.41].

- (a) The permittee shall comply with standards or prohibitions established under section 307(a) of the CWA for [toxic pollutants](#) within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement [40 CFR 122.41].
- (b) The CWA provides that any person who violates section[s] 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act,

is subject to a civil penalty not to exceed \$51,570 per day for each violation [33 USC 1319(d) and 40 CFR 122.41(a)(2)].

- (c) The CWA provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than 1 year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than 2 years, or both [33 USC 1319(c)(1) and 40 CFR 122.41(a)(2)].
- (d) Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than 6 years, or both [33 USC 1319(c)(2) and 40 CFR 122.41(a)(2)].
- (e) Any person who *knowingly* violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions [40 CFR 122.41(a)(2)].
- (f) Under state law, a civil penalty of not more than \$25,000 per violation may be assessed against any person who violates or fails to act in accordance with the terms, conditions, or requirements of a permit [North Carolina General Statutes § 143-215.6A].
- (g) Any person may be assessed an administrative penalty by the Administrator for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$20,628 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$51,570. Penalties for Class II violations are not to exceed \$20,628 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$257,848

[33 USC 1319(g)(2) and 40 CFR 122.41(a)(3)].

I-3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment [40 CFR 122.41(d)].

I-4. Civil and Criminal Liability

Except as provided in [I-7](#) of this permit regarding bypassing of stormwater control facilities, nothing in this permit shall be construed to relieve the permittee from any responsibilities, liabilities, or penalties for noncompliance pursuant to NCGS 143-215.3, 143-215.6, or Section 309 of the Federal Act, 33 USC 1319. Furthermore, the permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.

I-5. Oil and [Hazardous Substance](#) Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under NCGS 143-215.75 et seq. or Section 311 of the Federal Act, 33 USC 1321.

I-6. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations [40 CFR 122.41(g)].

I-7. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby [NCGS 150B-23].

I-8. Duty to Provide Information

The permittee shall furnish to the [Permit Issuing Authority](#), within a reasonable time, any information which the Permit Issuing Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit issued pursuant to this permit or to determine compliance with this permit. The permittee shall also furnish to the Permit Issuing Authority upon request, copies of records required to be kept by this permit [40 CFR 122.41(h)].

I-9. Penalties for Tampering

The [Clean Water Act](#) provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under

this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both [40 CFR 122.41].

I-10. Penalties for Falsification of Reports

The [Clean Water Act](#) provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both [40 CFR 122.41].

I-11. Onshore or Offshore Construction

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

I-12. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit [40 CFR 122.41(b)].

I-13. Inspection and Entry

The permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Director), or in the case of a facility which discharges through a municipal separate storm sewer system, an authorized representative of a municipal operator or the separate storm sewer system receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location [40 CFR 122.41(i)].

I-14. Need to Halt or Reduce Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the condition of this permit [40 CFR 122.41(c)].

Part J: Definitions

Act

See Clean Water Act.

Adverse Weather

Adverse conditions are those that are dangerous or create inaccessibility for personnel, such as local flooding, high winds, or electrical storms, or situations that otherwise make sampling impractical. When adverse weather conditions prevent the collection of samples during the sample period, the permittee must take a substitute sample or perform a visual assessment during the next qualifying storm event. Documentation of an adverse event (with date, time and written narrative) and the rationale must be included with SWPPP records. Adverse weather does not exempt the permittee from having to file a monitoring report in accordance with the sampling schedule. Adverse events and failures to monitor must also be explained and reported on the relevant DMR.

Allowable Non-Stormwater Discharges

This permit regulates stormwater discharges. However, non-stormwater discharges which shall be allowed in the stormwater conveyance system include:

- a. All other discharges that are authorized by a non-stormwater NPDES permit.
- b. Uncontaminated groundwater, foundation drains, air-conditioner condensate without added chemicals, springs, discharges of uncontaminated potable water, waterline and fire hydrant flushings, water from footing drains, flows from riparian habitats and wetlands.
- c. Discharges resulting from fire-fighting or fire-fighting training, or emergency shower or eye wash as a result of use in the event of an emergency.

Best Management Practices (BMPs)

Measures or practices used to reduce the amount of pollution entering surface waters. BMPs may take the form of a process, activity, or physical structure. More information on BMPs can be found at: <http://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>.

Bypass

A bypass is the known diversion of stormwater from any portion of a stormwater control facility including the collection system, which is not a designed or established operating mode for the facility.

Bulk Storage of Liquid Materials

Liquid raw materials, intermediate products, manufactured products, waste materials, or by-products with a single above ground storage container having a capacity of greater than 660 gallons or with multiple above ground storage containers having a total combined storage capacity of greater than 1,320 gallons.

Certificate of Coverage (COC)

The COC is the cover sheet which accompanies a General Permit upon issuance and lists the facility name, location, receiving stream, river basin, effective date of coverage under any General Permit and is signed by the Director.

Clean Water Act

The Federal Water Pollution Control Act, also known as the Clean Water Act (CWA), as amended, 33 USC 1251, et. seq.

Division or DEMLR

The Division of Energy, Mineral, and Land Resources, Department of Environmental Quality.

Director

The Director of the Division of Energy, Mineral, and Land Resources, the permit issuing authority.

EMC

The North Carolina Environmental Management Commission.

Grab Sample

An individual sample collected instantaneously. Grab samples that will be analyzed (quantitatively or qualitatively) must be taken within the first 30 minutes of discharge.

Hazardous Substance

Any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.

High Quality Waters (HQW)

Supplemental North Carolina water quality classification intended to protect waters which are rated excellent based on biological and physical/chemical characteristics through Division monitoring or special studies, or HQW by definition:

1. Water Supply Watershed I (WS-I),
2. Water Supply Watershed II (WS-II),
3. Water Supply Watershed III(WS-III),
4. SA waters (commercial shellfish),
5. Outstanding Resource Waters (ORW),
6. Primary Nursery Areas and other functional nursery areas designated by Marine Fisheries Commission, or
7. Waters for which the Division of Water Resources has received a petition for reclassification to either WS-I or WS-II.

Landfill

A disposal facility or part of a disposal facility where waste is placed in or on land and which is not a land treatment facility, a surface impoundment, an injection well, a hazardous waste long-term storage facility or a surface storage facility.

Measurable Storm Event

A storm event that results in an actual discharge from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval may not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period and obtains approval from the local DEMLR Regional Office. Two copies of this information and a written request letter shall be sent to the local DEMLR Regional Office. After authorization by the DEMLR Regional Office, a written approval letter must be kept on site in the permittee's SWPPP.

Municipal Separate Storm Sewer System (MS4)

A stormwater collection system within an incorporated area of local self-government such as a city or town.

No Exposure

A condition of no exposure means that all industrial materials and activities are protected by a storm-resistant shelter or acceptable storage containers to prevent exposure to rain, snow, snowmelt, or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products [40 CFR 122.26 (b)(14)]. DEMLR may grant a No Exposure Exclusion from NPDES Stormwater Permitting requirements only if a facility complies with the terms and conditions described in 40 CFR §122.26(g).

Notice of Intent

The state application form which, when submitted to the Division, officially indicates the facility's notice of intent to seek coverage under a General Permit.

Outstanding Resource Water (ORW)

Supplemental North Carolina water quality classification intended to protect unique and special waters having excellent water quality and being of exceptional state or national, ecological or recreational significance. To qualify, waters must be rated "excellent" by the NC Division of Water Resources, and have one of the following outstanding resource values:

1. Outstanding fish habitat and fisheries,
2. Unusually high level of water-based recreation or potential for such kind of recreation,
3. Some special designation such as N.C. Scenic/Natural River, or National Wildlife Refuge,
4. Important component of state or national park or forest; or
5. Special ecological or scientific significance (rare or endangered species habitat, research or educational areas).

All ORWs are also considered High Quality Waters (HQW) by supplemental classification.

Permit Issuing Authority

The Director of the Division of Energy, Mineral, and Land Resources (see "Director" above).

Permittee

The owner or operator issued this permit.

Point Source Discharge of Stormwater

Any discernible, confined and discrete conveyance including, but not specifically limited to, any pipe, ditch, channel, tunnel, conduit, well, or discrete fissure from which stormwater is or may be discharged to waters of the state.

Primary Nursery Area (PNA)

Areas in the estuarine system that provide essential habitat for the early development of commercially important fish and shellfish as defined by the NC Marine Fisheries Commission. These areas are usually located in the uppermost sections of a system where populations are uniformly very early juveniles. The Division of Marine Fisheries is responsible for preserving, protecting and developing Primary Nursery Areas for commercially important finfish and shellfish.

Process Generated Wastewater

See Code of Federal Regulations for definition applicable to specific mineral mining subcategories in 40 CFR Part 436.

Process Wastewater

Any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product See Code of Federal Regulations in 40 CFR Part 122.2.

Representative Outfall Status

When it is established that the discharge of stormwater runoff from a single outfall is representative of the discharges at multiple outfalls, the Division may grant representative outfall status. Representative outfall status allows the permittee to perform analytical monitoring at a reduced number of outfalls.

SA

Primary North Carolina water quality classification to protect tidal salt waters that are used for commercial shellfishing or marketing purposes and are also protected for all Class SC and Class SB uses. All SA waters are also HQW by supplemental classification.

SB

Primary North Carolina water quality classification intended to protect tidal salt waters for all SC uses in addition to primary recreation. Primary recreational activities include swimming, skin diving, water skiing, and similar uses involving human body contact with water where such activities take place in an organized manner or on a frequent basis.

SC

Primary North Carolina water quality classification intended to protect tidal salt waters for secondary recreation such as fishing, boating, and other activities involving minimal skin contact; fish and noncommercial shellfish consumption; aquatic life propagation and survival; and wildlife.

Secondary Containment

Spill containment for the contents of the single largest tank within the containment structure plus sufficient freeboard to contain the 25-year, 24-hour storm event.

Section 313 Water Priority Chemical

A chemical or chemical category which:

- (a) Is listed in 40 CFR 372.65 pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, also titled the Emergency Planning and Community Right-to-Know Act of 1986;
- (b) Is present at or above threshold levels at a facility subject to SARA title III, Section 313 reporting requirements; and
- (c) Meets at least one of the following criteria:
 - 1. Is listed in appendix D of 40 CFR part 122 on Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table IV (certain [toxic pollutants](#) and hazardous substances);

2. Is listed as a hazardous substance pursuant to section 311(b)(2)(A) of the CWA at 40 CFR 116.4; or
3. Is a pollutant for which EPA has published acute or chronic water quality criteria.

Severe Property Damage

Substantial physical damage to property, damage to the control facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Significant Materials

Includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.

Significant Spills

Includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or section 102 of CERCLA (Ref: 40 CFR 302.4).

Stormwater Discharge Associated with Industrial Activity

This term is defined in 40 CFR 122.26(14).

Stormwater Control Measure (SCM)

A permanent structural device that is designed, constructed, and maintained to remove pollutants from stormwater runoff by promoting settling or filtration or mimic the natural hydrologic cycle by promoting infiltration, evapo-transpiration, post-filtration discharge, reuse of stormwater, or a combination thereof.

Stormwater Control Systems

All systems at present at the facility used for the control and facilitation of stormwater, including but not limited to, all drainage systems and all stormwater control measures and best management practices.

Stormwater Discharge Outfall (SDO)

The point of departure of stormwater from a discernible, confined, or discrete conveyance, including but not limited to, storm sewer pipes, drainage ditches, channels, spillways, or channelized collection areas, from which stormwater flows directly or indirectly into waters of the State of North Carolina.

Stormwater Runoff

The flow of water which results from precipitation and which occurs immediately following rainfall or as a result of snowmelt.

Stormwater Associated with Industrial Activity

The discharge from any point source which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw material storage areas at an industrial site. Facilities considered to be engaged in "industrial activities" include those activities defined in 40 CFR 122.26(b)(14). The term does not include discharges from facilities or activities excluded from the NPDES program.

Stormwater Pollution Prevention Plan (SWPPP)

A comprehensive site-specific plan which details measures and practices to reduce stormwater pollution and is based on an evaluation of the pollution potential of the site.

Total Maximum Daily Load (TMDL)

TMDLs are written plans for attaining and maintaining water quality standards, in all seasons, for a specific water body and pollutant. A list of approved TMDLs for the state of North Carolina can be found at <https://deq.nc.gov/about/divisions/water-resources/planning/modeling-assessment/tmdls/draft-and-approved-tmdls>.

Toxic Pollutant

Any pollutant listed as toxic under Section 307(a)(1) of the Clean Water Act.

Trout Water (Tr)

Supplemental NC water quality classification intended to protect freshwaters for natural trout propagation and survival of stocked trout on a year round basis. This is not the same as the NC Wildlife Resources Commission's Designated Public Mountain Trout Waters.

Upset

An exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment or control facilities, inadequate treatment or control facilities, lack of preventive maintenance, or careless or improper operation.

Vehicle Maintenance Activity

Vehicle rehabilitation, mechanical repairs, painting, fueling, lubrication, vehicle cleaning operations, or airport deicing operations. This definition includes equipment maintenance activity that uses hydraulic oil and that is stored or used outside, or otherwise exposed to stormwater.

Visible Sedimentation

Solid particulate matter, both mineral and organic, that has been or is being transported by water, air, gravity, or ice from its site of origin which can be seen with the unaided eye.

10-year, 24-hour Storm Event

The maximum 24-hour precipitation event expected to be equaled or exceeded, on the average, once in 10 years.

25-year, 24-hour Storm Event

The maximum 24-hour precipitation event expected to be equaled or exceeded, on the average, once in 25 years.